

Amendments to the Specification:

Please amend paragraph [0087] of the specification as follows:

In some embodiments, the third segment contains one or more of the following groups of residues: GNTSSSS (SEQ ID NO:57) at positions corresponding to residues 423-429 of SEQ ID NO:4, HAGG(R/K)A (SEQ ID NO:58) at positions corresponding to residues 391-396 of SEQ ID NO:4, or MGCSAG (SEQ ID NO:59) at positions corresponding to residues 221-226 of SEQ ID NO:4. These groups of residues are among those that are conserved among elongase KCS polypeptides and are thus found in preferred embodiments.

Please replace the Sequence Listing in the application with the attached Sequence Listing.